

**REMARKS**

In response to the July 13, 2005 Office Action (Paper No. 20050708), the period for response having been extended by the Petition for Extension of Time submitted concurrently herewith, the following amendments and remarks are submitted:

Claims 3, 6, 7 and 9-22 have been canceled without prejudice or disclaimer of their subject matter, and claim 1 has been amended. Thus, claims 1, 2, 4, 5 and 8 are pending in the application.

The drawings have been objected to for the reasons stated in section 2 on page 2 of the Office Action, and Figure 1 has been revised so as to overcome this objection. Specifically, reference numeral "130" has been deleted. Corrected formal Figure 1 which incorporates the aforesaid amendments accompanies this Amendment. Entry of corrected formal Figure 1, and confirmation of the entry in writing in the subsequent Office action are respectfully requested.

Claims 1-22 have been rejected under 35 U.S.C. §102 as anticipated by Macintosh for the reasons stated in section 3 on page is 3-8 of the Office Action. By this Amendment, claim 1 has been revised and claims 3, 6, 7, and 9-22 have been canceled without prejudice or disclaimer of their subject matter. It is submitted that all of the claims now present in the application are patentable over Macintosh for the following

reasons:

The present invention discloses the interworking of the public network and the private network using the same communications protocol. Particularly, the present invention uses the address information of the hub within the private network for the discrimination of the public network and private network. When the same address information exists, it classifies it as the private network service request and routes. However, when there is no same address information, a service request signal is transmitted to the public network hub. In other words, when there is no private network service request, the service request signal is simply routed to the public network hub and the public network authentication is processed by using the public network resource. Thus, the public network processing hub and the private network processing hub are divided, resulting in increasing the efficiency of the resources.

A configuration of McIntosh distinguishes the private network and public network according to respective different communication protocols, and has to use the private network resources even for the public network service, since when there is a public network service request, its authentication is processed in NIB and is transmitted to the public network.

Summarizing, the present invention uses the same communication protocol, so a

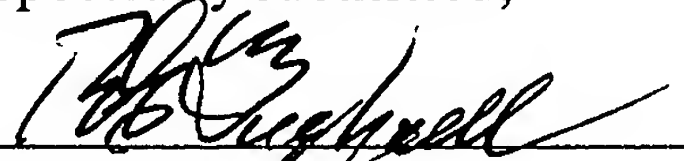
separate algorithm, or the key value and separate message conversion process are unnecessary. The present invention is configured for a private terminal to perform a service by dividing the private network and public network using the server address within a temporary identifier (UATI; Unicast Access Terminal Identifier). Therefore, it is different from the premise of using the same protocol from the cited reference.

In view of the above, is submitted that all the claims now present in the application are patentable over Macintosh action now therefore be in a condition suitable for allowance.

Additional references were cited by the Examiner but not utilized in the rejection of the claims and accordingly, no further comment on these references is necessary.

A petition for a three month extension of time and an Applicant's check in the amount of \$1.020.00 drawn to the order of Commissioner accompanies this response. Should the petition become lost, the Commissioner is requested to treat this paragraph as a petition for an extension of time, and should the check become lost, be deficient in payment, or should other fees be incurred, the Commissioner is authorized to charge Deposit Account No. 02-4943 of Applicant's undersigned attorney in the amount of such fees.

Respectfully submitted,



Robert E. Bushnell,  
Attorney for the Applicant  
Registration No.: 27,774

1522 "K" Street N.W., Suite 300  
Washington, D.C. 20005  
(202) 408-9040

Folio: P56854  
Date: 1/13/06  
I.D.: REB/HZ